$$NH_2 \quad X \quad X \quad X \quad Z \quad Z \quad Z \quad X \quad X \quad X_{COOH}$$

complete tripeptide library:
= 20^3 = 8.000 different peptide

$$NH_2 \quad X \quad X \quad X \quad Z \quad Z \quad Z \quad Z \quad X \quad X_{COOH}$$

complete tetrapeptide library:
= 20^4 = 160.000 different peptide

$$NH_2 \quad X \quad X \quad X \quad Z \quad Z \quad Z \quad Z \quad X \quad X_{COOH}$$

complete pentapeptide library:
= 20^5 = 3,2 millions different peptide

$$NH_2 \quad X \quad X \quad Z \quad Z \quad Z \quad Z \quad Z \quad X \quad X_{COOH}$$
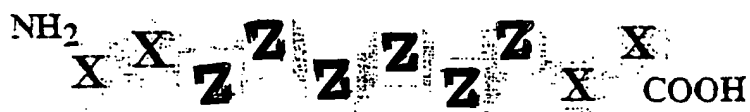
complete hexapeptide library:
= 20^6 = 64 millions different peptide

Z = set amino acid position
X = Mixture of 20 different amino acid

Fig. 15